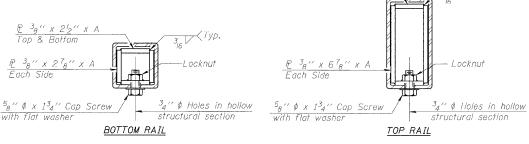
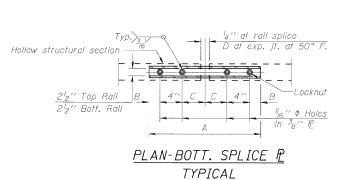


BASE PLATE DETAIL

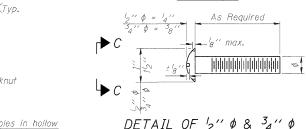
| DESIGNED | - | KRG |
|----------|---|-----|
| CHECKED | - | MJK |
| DRAWN | - | GSJ |
| CHECKED | | MJK |
| | | |



SECTIONS AT RAIL SPLICE



(6'-3" Maximum Post Spacing)



⁵8" φ x 1³4" Cap Screw

with flat washer & 34" \$

XS pipe spacer, 12" long.

DETAIL OF $\frac{1}{2}$ " $\phi \& \frac{3}{4}$ " ϕ ROUND HEAD BOLTS

| T | T D | | В | С | E | |
|-------------|-------|---------|------|------|-------|--|
| ≤4′′ | 212" | 1'-8'' | 2" | 4'' | 21/2" | |
| >4" 562" | 334'' | 2'-0" | 2/2" | 52" | 312" | |
| >6½″≤9″ | 5′′ | 2'-4" | 312" | 62" | 9" | |
| >9'' ≤13'' | 7'' | 2'-10'' | 42" | 8/2" | 11'' | |
| Rail Splice | 4'' | 1'-8'' | 2" | 4'' | | |

T = Total movement at expansion joint as shown on the design plans.

BILL OF MATERIAL

| Item | Unit | Quantity |
|--------------------------|------|----------|
| Steel Railing, Type 2399 | Foot | 171 |

RAIL SPLICE CONNECTION AT EXPANSION JT. MID-AMERICA ENGINEERING SERVICES

Locknut

1'8" x E Slotted___

Holes in hollow

structural section

STEEL RAILING, TYPE 2399 STRUCTURE NO. 082-2044

| | | STRUCTURE NU: | 002-2044 | | |
|---------------|------------------------|--------------------------------|------------|------------------------|-----|
| SHEET NO.13 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEET SHEETS NO. | |
| 3,1221 143213 | 600 | 60-(30,31,128)-1 | St. Clair | 399 | 254 |
| 15 SHEETS | STRUCTURE NO: 082-2044 | | CONTRACT | NO. 76 | 830 |
| | FED. RO | DAD DIST. NO ILLINOIS FED. A | ID PROJECT | | |